

*A-2  
Contd*

d. the ridge comprises an elongated segment and a flared segment extending to the first edge, the flared segment comprising at least two opposed grooves in a surface thereof, the grooves suppressing multimode radiation.

2. (AMENDED) The diode laser of claim 1 further comprising a dopant material on an exposed surface of the bottom layer in a pattern identical in shape to the ridge.

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### REMARKS

Claims 1-8 are pending in the Application. Claims 1-8 stand rejected. Claims 1 and 2 are herein amended to more fully cover the Applicants' invention. Applicants thank the Examiner for the careful consideration of these claims.

#### Objection to Drawings

The drawings are objected to under 37 C.F.R. 1.83(a) because they do not show every feature of the invention specified in the claims, in particular the dopant region and means facilitating application of an electric field. The drawings are herein amended, pursuant to the guidelines of 37 C.F.R. §1.121(d). Corrections to the Applicants' drawings are submitted by separate paper showing the proposed changes in red for approval by the Examiner. The reference numbers added to the specification call out features in the corrected drawings. Applicants submit that no new matter is introduced by this amendment.

#### Rejections under 35 U.S.C. §112

Claims 1-8 are rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicants regard as their invention. Claim 1 is rejected as being incomplete for omitting essential structural cooperative relationships of elements, particularly the association between the dopant region and the ridge.

Claim 1 is herein amended to identify the relationship between the dopant region and the ridge, in particular "a dopant region contained by the ridge." Claim 2 is also herein amended to eliminate a redundancy. If claim 1, as amended, is now allowable under 35 U.S.C. §112, claims